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SSS29-P07 Room:Convention Hall Time:May 24 16:15-17:30

Coseismic reaction of clay minerals in the Taiwan Chelungpu fault

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To investigate the fundamental processes governing earthquakes and the slip behavior, quantitative analyses of mineralogical compositions and physicochemical properties of fault rocks are necessary. There are several methods for evaluation of mineralogical compositions in the fault rocks from these XRD spectra. To evaluate mineralogical compositions with the most suitable methods, we assessd the validity of these methods. Then we determined the quantity of mineralogical compositions of the core samples from the Taiwan Chelungpu fault by the most suitable method.

Keywords: Clay minerals, comminution, XRD, RockJock